



Memorandum

TO: Board of Aldermen

FROM: Alderman-at-Large David W. Deane

DATE: April 15, 2011

SUBJ: Liaison Report from Board of Public Works Meeting – April 11, 2011

Colleagues,

Attached please find my liaison report from the April 11, 2011 Board of Public Works meeting. All items marked as "motion to approve" were approved. The informational items were accepted and placed on file. There was a presentation pertaining to the proposed sewer fee increases. Although no date was set, a formal presentation will be made to the Board of Aldermen. The aldermanic referrals have fallen off the agenda.

Thank you.

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Attachments

**Board of Public Works Meeting of April 11, 2011
Agenda**

A regular meeting of the Board of Public Works is scheduled for Monday, April 11, 2011 at 3:45 p.m. at the Division of Public Works, Administration and Engineering Offices, 9 Riverside Street, Nashua, NH 03062.

- I. Motion:** To approve the Agenda as presented.
- II. Motion:** To approve the Minutes of the Board of Public Works Meeting of March 14, 2011.
- III. Public Comment**
- IV. Overview Status of the Broad Street Parkway**
- V. Aldermanic Referrals**
- VI. Wastewater Treatment Facility**
 - A. Presentation:** Wastewater Analysis
 - B. Motion:** To approve a 15% increase in the wastewater user fee rates effective July 1, 2011 as recommended by the Wastewater Fund Rate/Revenue Requirement Analysis March 2011.
 - C. Motion:** To approve the debt financing of capital project in the amount of \$15,492,453 as recommended by the Wastewater Fund Rate/Revenue Requirement Analysis March 2011.
 - D. Motion:** To approve the User Fee Warrants as presented.
- VII. Parks & Recreation Department**
 - A. Motion:** To approve the selection of the qualified low bidder of 3 bidders, Ntare Corporation of Indianapolis, Indiana to install a pool lining system at the Rotary Pools in the amount of \$43,040.00. Funding is available in account #652-24, CIP – Pool Upgrade/Repair Park & Rec.
 - B. Informational:** Letter from the New Hampshire Preservation Alliance. The letter congratulates the city for the Gatehouse Preservation project being selected as one of New Hampshire's 25 Milestone Projects of the last quarter century.

VIII. Street Department

- A. Motion:** To approve the purchase of a sidewalk paving machine from Eagle Professional Paving Equipment of Litchfield, NH in the sum of \$48,300.00. Funding is available in Street Department FY11 Account #553-45030-6921.
- B. Informational:** Cedar Street Sewer Main Repair
- C. Informational:** Update on FY11 Winter Operations

IX. Traffic Department

- A. Motion:** To approve the consultant services contract with VHB to assist the City of Nashua with the planning, design and engineering to expand the closed loop signal system and add traffic signals to the Traffic Management Center under the Congestion Mitigation and Air Quality program created by the Intermodal Surface Transportation Efficiency Act of 1991. VHB has agreed to provide these traffic consulting services for the sum of \$298,500. Funding is available in account #751-53030-0-3719, Loop Traffic Signal Expansion – Engineering Services.

X. Engineering Department

- A. Motion:** To approve the Residential Wastewater Service Permits and Fees as submitted.
- B. Motion:** To approve a request from Lynch's Landscaping & Excavation, 231 Main Dunstable Road, Nashua, NH 03061, for a Drainlayer's License in accordance with Nashua City Code 255-19 Issuance of Drainlayer's License.
- C. Motion:** To award the Harbor Avenue Area Sewer Separation construction contract to the low bidder De Felice Corporation in the amount of \$4,936,750.40. Funding for this contract is available in account number #792-01310-3748, Construction, Harbor Avenue Area Sewer Separation.
- D. Motion:** To approve the award of the professional services contract for construction phase services for the Harbor Avenue Area Sewer Separation to Hayner/Swanson, Inc. (HSI) of Nashua, NH for an amount of \$347,970.00. Funding for this contract is available under account number #792-53075-3748, Capital Improvement – Professional Services, Harbor Avenue Area Sewer Separation.
- E. Informational:** Update on Stormwater and Drainage Program.
- F. Informational:** CSO Quarterly Report
- G. Motion:** To approve the award of the construction contract in an amount not to exceed \$1,075,000 for the FY11 Paving Program with a minimum contract to Brox Industries of Dracut, MA in the amount of \$796,610 with the remainder to be awarded to Brox or other qualified contractor. Funding for this contract will be through accounts:

#953-5331 Street Paving Trust	\$218,767
#653-23 FY10 Paving Program	\$3,055
#792-3744 Sewer Structures	\$39,163
#653-31 FY11 Paving Program	\$814,015

XI. Solid Waste Department

- A. Motion:** To accept the retirement of Mr. Steven Davenport of Nashua, NH as Collection Equipment Operator at the Solid Waste Department.
- B. Motion:** To accept the retirement of Mr. Dwight Larkin of Sandown, NH as Equipment Operator, Landfill at the Solid Waste Department.
- C. Motion:** To approve the hiring of Mr. Rusty Gagne of Nashua, NH to the position of Equipment Operator, Landfill at the Solid Waste Department. Starting salary for this position will be \$22.05 per hour for a yearly salary of \$45,864. Funding for this position is found in the Solid Waste Department budget in #801-11276-8001-8100.

XII. Department Reports

XIII. Director's Report

XIV. Commissioners Comments

- A. Budget Discussion: Potential Dates**

Board of Public Works Meeting of April 11, 2011
Department Reports

Engineering Department

- **Net Metering Project.** All work is complete except for final connection of net metering equipment to the Waukesha generator. Additional parts for the generator, ordered by the Wastewater Plant's vendor, have just arrived and will be installed soon. After the parts are installed and the generator is running satisfactorily, the net metering equipment will again be tested for startup with the Waukesha generator.
- **Sewer Video Program.** Wastewater Department completed all sewer video and inspections requested on Pine and Palm Street sewers, which will be replaced under the Broad Street Parkway project.
- **CSO 005/006 Drop Over Structures.** Both structures are now substantially complete. Park Construction has completed all the interior work on the East Hollis Street structure and has scheduled the epoxy coating of the interior of the Crown Street structure for the second week of April. Road work restoration at both sites will resume in the spring.
- **Sludge Dewatering Project.** Wright-Pierce has completed the 100% plan set. This project is temporarily on hold as the City prepares to complete an SRF loan application to fund it.
- **North Generator Exhaust Pipe Project.** Contract was signed on February 24th and notice to proceed issued on March 24, 2011. Preconstruction meeting scheduled for first week of April.
- **CSO Sluice Gate.** Punch list items remain. Issues with communications for notifying operators of the gate operations are still being rectified. Security fence to be installed in April.
- **Aeration Blowers and Aeration Tanks – Secondary Clarifiers Upgrades Project.** Woodard & Curran (W&C) has completed the 90% design package and the City has responded with comments. They are proceeding to finalizing plans and specifications.
- **Harbor Avenue Area Sewer Separation.** Nine prime contractors in attendance at mandatory pre-bid meeting. Bids due March 31, 2011.
- **Miscellaneous Sewerage Improvements 2009, Phase 2.** Merrill Construction in winter shutdown. The final top coat paving will take place next year on all the streets and the sewer and other utility work on Beech Street will take place next spring.
- **Sewer Project 2011.** The City is preparing plans and specifications for this project, which includes a combination of sewer pipe lining and replacement on Lake, Burke, Terrace, and Arlington Streets. We are also assisting in preparing sewer plans for Pine and Palm Streets for the Broad Street Parkway project.
- **Haines Street Sewer Separation.** Paperwork related to project closure has begun. Some additional items requested to satisfy the ARRA requirements and are being gathered.
- **Harris Brook at Northeastern Blvd Drainage Improvements.** Design plans being finalized.

- **Rotary Common Phase II.** As built survey plans of the parcel were requested and conveyed to John Weidman for the purposes of determining if the concrete pad on site would be suitable for the Holocaust Sculpture.
- **Manchester Street Area - CSO Flooding Study.** Contract submitted to NHDES for approval.
- **Storage Facilities for CSO # 003 and # 004.** Met with EPA/NHDES to review approach to re-evaluation. Continued to review various alternative sites/projects including further sewer separation in the CSO 004 drainage area, other storage opportunities or combinations of alternatives.
- **Wet Weather Flow Treatment Facility.** AECOM performed site visit and walk through of Wet Weather to resolve some concerns. They are finalizing Operations and Maintenance Manual and Record Drawings.
- **Sidewalk Program - South Main Street Phs 2 and Conant Road Phs 2.** Design of South Main from Anders Lane to East Hobart is 90% complete.
- **Sidewalk Program – Main Street Bridge.** Developing median design and researching use of granite for Main Street Bridge. Awaiting further information from NHDOT on bridge abutment status. Need to review lighting concerns.
- **Safe Routes to School.** Awaiting comments on procurement contract for purchase of a speed radar sign for Bicentennial. Received approval for categorical exclusion for Bicentennial. Awaiting authorization to bid for Ledge Street. Submitted revised conceptual plan to Birch Hill representative for comment. Met with School Dept. to review status of projects.
- **FY10 Paving Program.** Work has been completed with the exception of minor punch list items.
- **FY11 Paving Program.** The bid package was advertised on March 3rd and bids were received on March 26. We are proceeding with contract approvals.
- **Route 101A Widening.** Phase 1 of the project consists of Widening from Sunapee St. to Blackstone Dr; Signal Upgrading and ROW Acquisition from Somerset Parkway to Celina Ave. Engineering is awaiting an answer on NHDOT's commitment to funding of the project.
- **Stormwater Utility Feasibility Study.** Draft Feasibility Report was received and is being reviewed. The NHDES requested a meeting between the four communities who are receiving grants for projects associated with establishing a Stormwater Utility. On March 14, representatives from Dover, Portsmouth, Manchester and Nashua met to discuss successes and setbacks that each of the communities have experienced through this process.
- **Screening and Disinfection Facility.** A Request for Qualifications is being drafted for a Site Assessment and Engineering Design project for the proposed facility sited at the 17 Jackson Street parcel. A meeting has been scheduled with the owner to discuss City questing of the parcel.
- **Hunt Memorial Library Drainage.** A response to the New Hampshire Division of Historic Resources letter about concern with the proposed design of the concrete trench on the North side of the building is being drafted. Work continues towards completion of the bid plans and specifications.

- **Mine Falls Boat Launch.** Lot line relocation plans have been draft. Planning board scheduled for May. Plans are being revised and final construction bid plans and specifications are being completed.
- **CSO Meeting with EPA.** A meeting was held with the EPA and NHDES to discuss the CSO Long Term Control plan. A presentation was given as to accomplishments to date and their impact on CSOs. Issues with future projects to be completed were also discussed. Attached is a graph showing observed trends comparing storms from 2005 and 2010 and a chart of consent decree milestones that were presented at the meeting.
- **Construction Inspection.** Ongoing projects inspected by Engineering include:
 - Dick's Sporting Goods – new private sewer main at Pheasant Lane Mall requiring night work.
 - 13 Canal Street – Sewer Service
- **Street Acceptances.** The following have been petitioned for and are being processed:
 - Lojko Drive
 - Wanda Lane
 - Evelyn Circle
 - Anthony Circle
 - Colonial Ave
- **Majestic Heights.** Engineering is working on prioritizing punchlist work.
- **Manchester Street Bridge Replacement Project.** Currently, this project is experiencing funding issues as a result of NHDHR's requirement of historic preservation work.
- **CNG Station.** A new schedule has been established.
 - Zoning Board Meeting – May 10, 2011
 - Planning Board Meeting – June 02, 2011
 - Construction – June 06, 2011 through October 7, 2011 (A construction easement on the property to the south of the proposed station has been obtained.)
- **Site Development Review.**
 - Bishop Guertin High School – 91 Farley Road
 - Toyota of Nashua – 10 Marmon Drive
 - Sky Venture Surf's Up – 3 Poisson Ave. Relocation of a short section of sewer interceptor proposed.
 - Southline Woods – Groton Road
 - 12 Murphy Drive
 - 101 Elm Street
 - 55 Conant Road
- **Private Development Bonds.** There are multiple bond reduction requests and bond approvals being processed.

Solid Waste Department

- **Soft Yard Waste Collections.** The Solid Waste Department will begin Soft Yard Waste Collections on April 11th.
- **Safety Equipment.** The Solid Waste Department has purchased equipment to be used for entering OSHA defined confined spaces at the landfill. These spaces include two underground valve chambers and the secondary leachate tank adjacent to the Phase I landfill. The equipment consists of a retrieval tripod, harness, and winch, a four-gas meter for atmospheric testing, and a ventilation blower. Landfill staff received confined space training in October 2010, and a landfill specific confined space entry plan was developed.
- **Air Quality.** The DES has approved a final version of an Enhanced Monitoring Protocol and Standard Operating Procedures (EMP/SOP) plan for the collection and control of landfill gas at the facility. The EMP/SOP specifies requirements for tuning and maintaining the gas wells and overall collection system, performing surface emission scans and landfill cover integrity inspections, collecting landfill gas samples for analysis for reduced sulfur compounds, and reporting. Implementation of the plan will begin in April.
- **Litter Control.** A purchase order has been issued to a local fence company to have plastic slats installed in the chain link fence behind several residences along Pioneer Drive to help screen out windblown trash in the wooded buffer behind the residences. Also, beginning April 1st, temporary laborers will be deployed to begin picking up windblown litter in this area and other affected areas around the landfill.
- **Nashua Recycling Center.** Shipments from the Nashua Recycling Center during March (until 3/29/11) included 377 tons of single stream recycled materials, 20 tons of electronic waste, 33 tons of scrap metal, and 725 fluorescent lamps. In addition, more than 2 tons of textiles, 12 tons of tires, nearly 4 tons of batteries, 525 gallons of waste oil, and 40 gallons of antifreeze were shipped from the Nashua Recycling Center during the month. 56 recycling bins were given to 25 residents. 42 trash carts were requested for residents during March, as replacements for damaged or missing carts (12), replacements for plow or truck damaged carts (22) and for new apartments (6) and new houses (2). 12 carts repairs were reported for cracked lids and wheels.
- **Landfill Permits.** The Solid Waste Department has sold approximately 6,354 residential and 273 commercial 2011 landfill permits to date.

Street Department

- **Winter.** The month of March was kind in that not much in the way of snowfall with only 2" being recorded. Although the month was colder than normal most of the precipitation fell as rain. The total snowfall for the year has been 85.25".
- **Winter wrap up.** In what is considered by Superintendent Sorenson "The most wonderful time of the year", crews began dismantling and evaluating plows and equipment to be put into storage until next season.
- **Emergency Sewer Service Connection.** The Street Department performed an emergency sewer connection repair to a blocked line on Walnut Ave. Work involved removing a 10' section of 6" pipe that had collapsed at the main.

- **Cedar Street.** Crews began the construction season early this year due to a major sewer collapse on Cedar Street. While performing the temporary repair another collapse occurred so it was immediately scheduled for a full replacement of the sewer main.
- **Roadside.** Crews have been working on clearing roadside brush issues as well as picking up debris that have began to appear after the snow melts.
- **Potholes.** Some more interesting than others as is this one on Franklin Street. This time of year marks the period where we'll begin to see potholes throughout the city because of the freeze / thaw and heavy rains. Currently multiple crews have been out filling in the holes with high performance cold patch as quick as they open up.
- **Catch Basin Collapse.** A catch basin on Harris Road was compromised and required the top part of the barrel to be rebuilt. The structure itself was still sound but the top two feet of brick and mortar were deteriorated from the water and salt.
- **Vehicle Inspections.** The month of March is the first of two inspection cycles for the City of Nashua. Fleet Department personnel will inspect over 140 different pieces of equipment during March and the beginning of April, many of which will need significant repairs to pass state inspection.
- **Awards.** Jennifer Norton and Roy E. Sorenson of the Street Department were honored as exemplary workers for the City of Nashua at the Rotary Club of Nashua West.

Traffic Department

- **Mailbox Repairs/Replacements.** The Traffic Department has repaired or replaced 203 mailboxes damaged during this winter's snow events. There are also 59 temporary mailboxes that will require permanent replacement in the spring.
- **CMAQ – Citywide Traffic Project.** The interview committee (representatives from Traffic, Information Technology and Engineering) has completed the interview process and contract negotiations with the selected consultant. The next step is to obtain approvals from the State of New Hampshire Department of Transportation, the Board of Public Works and the Finance Committee.
- **Courtland and Tolles Street.** The Nashua Regional Planning Commission set up traffic counters in and around the Courtland and Tolles neighborhoods the week of March 28, 2011 to assist the City of Nashua with the evaluation of a temporary sign package to be installed in the neighborhood the week of April 25th. The Legislation for this sign package is before the Board of Alderman.
- **Mount Pleasant School.** There is currently a proposal for the establishment of a one way street northbound on Abbott street from French Street to Mount Pleasant, changing the one way street on Mount Pleasant to a one way easterly direction from Manchester street to Concord Street, and installing a stop sign at the end of Mount Pleasant at its' intersection with Concord Street. The Legislation for this proposal is before the Board of Alderman.

Wastewater Department

- **Operations Section.** Continuing piston pump rebuild project: belt filter press feed pumps. Soliciting bids for filter press conveyor belt replacement. Spring clean-up underway, including restoration of damaged areas.
- **Maintenance Section.** Continuing replacement research of raw sewage pumps components-volute and wear ring. Repaired raw water pump in wet weather wetwell-high moisture alarm condition. Repaired pneumatic line on truck loading hopper system. Repaired two belt rollers on belt filter presses. Installing effluent flow meter bracket. Preparing components for repair to primary sludge storage tanks.
- **Laboratory Section.** Continued updates to charts. Continuing population of HACH database data fields with analysis results. Preparing reagents and paperwork for annual proficiency testing. Ordering 2nd quarter LC-50 (bioassay) test.
- **Collection Systems Section.** Video inspections to document pipe conditions in anticipation of replacement projects are on-going. Continuing inspections to determine if sink hole/sanitary or storm water relationship. Continuing video inspections of areas in proposed paving program.
- **Misc.** Repaired sanitary vents at 9 Riverside. Two loads of grease to Four Hill Landfill.

Parks & Recreation Department

- **Park planning for the Labine Building site.** Design plans are complete and the project is now headed for planning board approval. Construction is expected in May with completion scheduled for the fall.
- **Winter Projects.** This winter work is being done on constructing dug out roofs and sheds for some of the baseball fields in the city, as well as a loft and shelving for the new storage building on Artillery Lane.
- **Biddy Basketball.** The 58th Biddy Basketball Season came to a successful close on Saturday, March 26th at the Chestnut St Gym as the 23rd Annual All Star Tournament concluded play. This year \$418 in donations was collected with all proceeds going to the Tolles St Mission and Food Shelter. In addition, over 100 pounds of donated food items was collected and will be combined with the all star proceeds to benefit the Tolles St Mission.
- **Vietnam Veterans Memorial Park.** The West Cal Ripken field has had a net installed. This net will allow the league to apply for tournament play and will offer protection to other users of the park.
- **Spring Carnival.** A spring carnival is scheduled for early April (8th -17th) at the Holman Stadium Parking lot. This event will bring in a minimum of \$7,000 to the City.
- **Mine Falls Park Boat Ramp.** This project is moving along nicely next on the schedule is a visit to the Planning Board in May and to advertise the work. It is anticipated that work will begin in June and be completed by the end of August.
- **Spring has arrived.** The department has been geared up to start preparing the ball fields and rectangular fields for spring sports.

- **Stellos Stadium.** The stadium opened for use by the schools on March 24th. The spring season will run through June ending with the Spartans Drum and Bugle Corp. show. Turf replacement is anticipated to begin in July.
- **Holman Stadium.** The season has begun with plenty of college and high school games scheduled through May. Opening Day for the Silver Knights is June 11th.